

WHAT IS CLAIMED IS:

1. An article of manufacture comprising
 - a) an oxygen scavenger; and
 - b) an amorphous silica.
- 5 2. The article of claim 1 wherein the article comprises a film.
3. The film of claim 2 wherein the film comprises:
 - a) a layer comprising an oxygen scavenger; and
 - b) a layer comprising an amorphous silica.
4. The film of claim 2 wherein the film comprises a layer comprising an oxygen
10 scavenger and an amorphous silica.
5. The film of claim 2 wherein the oxygen scavenger comprises a material selected
from the group consisting of:
 - i) an oxidizable compound and a transition metal catalyst,
 - ii) an ethylenically unsaturated hydrocarbon and a transition metal catalyst,
 - 15 iii) an ascorbate,
 - iv) an isoascorbate,
 - v) a sulfite,
 - vi) an ascorbate and a transition metal catalyst, the catalyst comprising a
simple metal or salt, or a compound, complex or chelate of the transition
20 metal,
 - vii) a transition metal complex or chelate of a polycarboxylic acid, salicylic
acid, or polyamine,
 - viii) a reduced form of a quinone, a photoreducible dye, or a carbonyl
compound which has absorbance in the UV spectrum, and
 - 25 ix) a tannin.
6. The film of claim 2 wherein the amorphous silica has a mean pore diameter of
between 20 and 200 Å.
7. The film of claim 2 wherein the amorphous silica comprises a synthetic
amorphous silica.

8. The film of claim 2 further comprising an oxygen barrier layer.
9. The film of claim 2 further comprising an abuse resistant layer.
10. The film of claim 2 further comprising a heat sealable layer.
11. The film of claim 2 further comprising an intermediate adhesive layer disposed
5 between any of the abuse-resistant layer and oxygen barrier layer, between the oxygen barrier layer and the layer comprising the oxygen scavenger, between the layer comprising the oxygen scavenger and the layer comprising the amorphous silica, and between the layer comprising the amorphous silica and the heat sealable layer.
12. The film of claim 2 wherein the film is cross-linked.
13. The film of claim 2 wherein the film is oriented.
14. The film of claim 2 wherein the film is heat shrinkable.
15. The article of claim 1 wherein the article is in the form of a sealing compound.
16. The sealing compound of claim 15 wherein the sealing compound is in the form
15 of a gasket.
17. The gasket of claim 16 wherein the gasket comprises a polymer, an oxygen scavenger, and an amorphous silica.
18. The gasket of claim 16 wherein the gasket adheres a lid to a rigid or semi-rigid container.
19. A package comprising:
20 a) an oxygen-sensitive article; and
b) a container into which the oxygen sensitive article is disposed, the container comprising an oxygen scavenger and an amorphous silica.
20. A method of making an article of manufacture comprising:
25 a) providing an article comprising an oxygen scavenger and an amorphous silica; and
b) exposing the article to actinic radiation.